

COMPUTER-CONTROLLED FOR MAXIMUM EFFICIENCY



AIR-COOLED GENERATORS

Ruud is proud to offer the **Air-Cooled SEREGEN® 50 thru 300 Series**, 10-20kW, Home Generator Systems. Boasting a commercial Briggs & Stratton Vanguard™ engine, the systems offer whole house comfort and control in an extremely compact and affordable package. When the power goes out, these systems offer fully automatic operation whether you are home or away and provide a permanent connection to natural gas or propane for uninterrupted operation. Computer controls actively manage your whole house power consumption so you can run both essential and high-wattage items such as central air conditioning while preventing against overload.



LIQUID-COOLED GENERATORS

Ruud is proud to offer the **Liquid-Cooled SEREGEN® 400 Series**, 30 and 45kW, Home Generator Systems. Boasting a GM Vortec™ engine and up to 56,000 watts of starting power, these systems offer whole house comfort and control in an extremely compact, quiet and affordable package. The standard 30 and 45kW packages supply enough automatic backup power to manage two 5-ton AC units. The optional Power Management System (71035) upgrade optimizes the SEREGEN® 400 Series with advanced computer-controlled power for maximum efficiency.



**GET PREMIUM UNINTERRUPTED COMFORT
WITH RUUD HOME STANDBY GENERATORS.**



Specifications are subject to change without notice.
PRO-8180 01/12-RT

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NO POWER? NO PROBLEM!
THERE'S A SOLUTION STANDING BY

HOME GENERATOR SYSTEMS



PART NUMBER	GEN10AD	GEN12AD-V	GEN15AD	GEN20AD	GEN30WD	GEN45WD
Model Series	SEREGEN 50	SEREGEN 100	SEREGEN 100	SEREGEN 300	SEREGEN 400	SEREGEN 400
Nominal Output Capacity LP / Natural Gas (kW)	10.0 / 9.0	12.0 / 11.0	15.0 / 14.0	20.0 / 18.0	30.0 / 27.0	45.0 / 42.0
Surge Output Capacity LP / Natural Gas (kW)	12.5 / 11.2	15.0 / 13.7	18.7 / 17.5	28.0 / 25.2	37.5 / 33.0	56.0 / 53.0
Output Voltage (V)	240/120	240/120	240/120	240/120	240/120	240/120
Output Frequency (Hz)	60	60	60	60	60	60
Nominal Output Current on LP / Natural Gas (A)	41.6 / 37.5	50.0 / 45.8	62.5 / 58.3	83.3 / 75.0	125.0 / 112.5	187.5 / 175.0
Natural Gas Fuel Consumption at 50% / 100% Load (cu ft/hr)	84.0 / 162.0	119.0 / 196.9	124.9 / 243.0	160.0 / 293.0	259.0 / 420.0	483.0 / 777.0
LP Fuel Consumption at 50% / 100% Load (gal/hr)	0.94 / 1.81	1.42 / 2.37	1.36 / 2.72	1.36/2.72	2.60 / 5.00	5.00 / 10.20
Size – L x W x H (in)	30-1/2 x 22-1/2 x 32-1/2	34-1/2 x 39-1/2 x 38-1/2	48 x 33 x 30-1/2	48 x 33 x 30-1/2	84-1/2 x 29-1/2 x 41-1/2	95-1/2 x 39-1/2 x 44
Weight (lbs)	355	535	560	600	1800	2100
Engine Type	504cc Vanguard V-Twin	803cc Briggs & Stratton Professional Series	895cc Vanguard V-Twin	Briggs & Stratton Vanguard "BIG BLOCK" V-Twin	GM Vortec 3.0L inline 4 cylinder	GM Vortec 5.0L inline V-8
Engine Cooling	Air Cooled	Air Cooled	Air Cooled	Air Cooled	Water Cooled	Water Cooled
Maintenance Kit	6035	6179	6036	6036	6167	6168
Cold Weather Kit	6030	6030	6030	6030	1915	1915
Transfer Switch Options	TS509C	TS100AD, TS200A, TS200AD, TS100A16	TS100AD, TS200A, TS200AD, TS100A16	TS100AD, TS200A, TS200AD, TS100A16	TS200ADW, TS400	TS200ADW, TS400
Load Control Center Options	—	71030, 71035	71030, 71035	71030, 71035	71035	71035

SEREGEN® 50 thru 300 Series (GEN 10 – GEN 20)

Fully Automatic Advanced electronics will detect a utility power outage and automatically start the generator whether you are home or away.

Vanguard™ Engine An industry leading commercial grade Briggs & Stratton air-cooled engine provides powerful, quiet, durable performance for large, power hungry homes – perfect for years of heavy-duty standby power.

Contemporary, Space-Saving Design Offers a compact yet functional design for location flexibility and an attractive, subtle yard presence.

Continuous Fuel Supply A permanent connection to natural gas or propane delivers uninterrupted performance with no messy gasoline storage and refueling.

Sound Shield™ Technology Engineered air passages, an automotive-style exhaust system and acoustic foam dampeners ensure quiet operation.

Durable Outdoor Enclosure Features professional rust-proofing and premium neutra green automotive paint for maximum durability and all-weather protection.

Computer-Friendly Power Advanced alternator technology provides safe and stable power for computers and other sensitive electronics.

Legendary Service & Support From professional sizing and selection to installation and service, trust the proven experts at Ruud for complete peace of mind.

Turn Key Extras Includes a battery charger, hour meter, and installation pad. The engine also comes pre-filled with synthetic oil and is broken in at the factory, saving you time and money.

SEREGEN® 400 Series (GEN 30 – GEN 45)

Fully Automatic Advanced electronics will detect a utility power outage and automatically start the generator whether you are home or away.

Whole House Comfort The SEREGEN® 400 Series will supply enough power to manage up to two 5-ton air conditioners in addition to essential household power requirements.

GM Vortec™ Engine Tested and approved on trucks and SUVs, world class 4 and 8 cylinder GM Vortec engines provide sophisticated yet extremely durable industrial grade power - perfect for the high power demands of most larger homes or small businesses.

Continuous Fuel Supply A permanent connection to natural gas or propane delivers uninterrupted performance with no messy gasoline storage and refueling.

Sound Shield™ Technology Engineered air passages, an automotive-style exhaust system and acoustic foam dampeners ensure quiet operation. (65dB under normal operation)

Turn Key Extras Each system includes a battery charger, and hour meter. The engine also comes pre-filled with synthetic oil and is broken in at the factory, saving you time and money.

Premium Warranty 4 year limited warranty – your guarantee of quality and performance. Also warranted for commercial use.

Legendary Service & Support From professional sizing and delivery to installation and service, trust the proven experts at Ruud for complete peace of mind.

TRANSFER SWITCHES

How It Works Automatically manages the transition between the electric utility service and generator as follows:

- Continually monitors the connection to local utility power.
- When utility power is disrupted, the transfer switch confirms a true power outage has occurred and signals the standby generator to start.
- Supplies backup power to the home within 30 seconds.



Air Condition Control Module (ACCM) Some switches contain an ACCM (Air Condition Control Module), a patented Power Management technology that supervises the power demands of up to two central air-conditioners while safeguarding against power overload.

Service Disconnect Option Some switches are suitable for use as the Service Entrance Disconnect; these switches may

be optionally connected directly after the home’s utility watt-hour meter, instead of being connected downstream of the main panelboard.

Current Capacity Rating Options Automatic transfer switches come in four sizes: 50A, 100A, 200A and 400A; if the Transfer Switch will also serve as the Service Disconnect, it will need to have a current capacity rating at least as great as the main breaker on the main panelboard. (Note: 200A main breakers are common in many new homes, while older homes often have 100A).

Panelboard Option Some switches include a panelboard within the transfer switch enclosure; in cases where the Transfer Switch will not be used as the Service Disconnect, you may want to consider the option of choosing Transfer Switch that includes a panelboard, since this will eliminate the need to purchase a separate subpanel.

Outdoor Enclosure All transfer switches include a rain-proof NEMA 3R outdoor enclosure.

TRANSFER SWITCHES – SEREGEN 50 Series

PART NO	SERVICE ENTRANCE DISCONNECT RATING	CURRENT CAPACITY (A)	PANELBOARD	ACCM	DIMENSIONS L X W X H (IN)	WEIGHT (LBS)
TS509C	No	50	9 Positon	—	14-1/4 x 6 x 21	302

TRANSFER SWITCHES – SEREGEN 100 & 300 Series

PART NO	SERVICE ENTRANCE DISCONNECT RATING	CURRENT CAPACITY (A)	PANELBOARD	ACCM	DIMENSIONS L X W X H (IN)	WEIGHT (LBS)
TS100A16	No	100	16 Position	Included	27 x 9-1/2 x 17	37
TS100AD	Yes	100	Not Included	Included	14 x 6 x 22	32
TS200A	No	200	Not Included	Included	16 x 7 x 30	53
TS200AD	Yes	200	Not Included	Included	16 x 7 x 30	53

TRANSFER SWITCHES – SEREGEN 400 Series

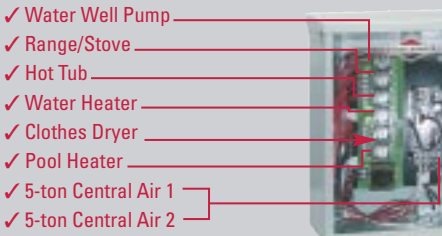
PART NO	SERVICE ENTRANCE DISCONNECT RATING	CURRENT CAPACITY (A)	PANELBOARD	ACCM	DIMENSIONS L X W X H (IN)	WEIGHT (LBS)
TS200ADW	Yes	200	Not Included	Included	38 x 14 x 24	64
TS400	No	400	Not Included	—	46 x 24 x 15	190

Load Control Center/Power Management System Upgrade

Most high wattage “creature comforts” normally require a large and expensive generator to meet with the demands of a larger home. Now you can manage the “high demand” appliances of even the most power hungry home with this affordable upgrade, exclusively from Ruud. Featuring patented computer-controlled technology, the system makes the SEREGEN® 100 and 300 Series the most efficient standby generator in its class.

- Load Control Center increases the effective kW rating of the generator by temporarily shedding non-essential loads to free up power for devices with high starting power requirements, such as air conditioning units.
- As power becomes available after startup, non-essential circuits are automatically switched back on.
- Prevents generator overload due to unmanaged power demand.
- Includes a rainproof NEMA 3R outdoor enclosure.

HIGH EFFICIENCY WHOLE HOUSE BACKUP POWER CONTROLS



High-Efficiency Power Management System

SEREGEN® Series Generator

\$\$

30kW Generator

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THE BENEFITS OF HIGH EFFICIENCY POWER MANAGEMENT

- Power More for Less** – Advanced computer controls manage the same essential and high watt appliances as a larger 30kW liquid cooled for up to half the cost.
- Maximum Fuel Economy** – Smart use of power results in up to 50% less fuel consumption.
- Space-Saving Design** – Compact, efficient design allows for location flexibility and lower installation costs.
- Exclusive Overload Protection** – Advanced controls prevent generator overload due to unmanaged power demand.
- Smart Home Compatible** – Provides clean, safe power for other smart home appliances and sensitive electronics.

PART NO	NUMBER OF POWER CIRCUIT CONTACTORS	POLES PER POWER CIRCUIT CONTACTOR	TOTAL NUMBER OF POWER CIRCUIT CIRCUIT POLES	MAXIMUM NUMBER OF 120V POWER CIRCUITS	MAXIMUM NUMBER OF 230V POWER CIRCUITS	POWER CIRCUIT RATING VOLTAGE (V)	POWER CIRCUIT RATING GENERAL (A)	POWER CIRCUIT RATING MOTOR (HP)	POWER CIRCUIT RATING PILOT DUTY(VA)	DIMENSIONS LxWxH (IN)
71030	6	1	6	6	6*	120	20	1	768	16x12x6
71035	4	2	8	8	4	230/120	50/20	2	—	24x14x6-1/2

*external contactor required

Whole House Backup Power

15kW Generator

\$

Managed Power

15kW SEREGEN® Generator

\$\$

25kW Generator

\$\$\$\$

With advanced computer controls, SEREGEN® Series generators can manage as many or more items as a larger, more expensive liquid cooled generator while consuming significantly less fuel.

Premium-Grade Power

At the heart of each SEREGEN® Series Home Generator System is a Briggs & Stratton Commercial Power Vanguard™ or GM Vortec™ Engine. These durable, commercial grade engines feature superior balance and low vibration for extended life, minimal maintenance and easier starting and – perfect for years of dependable standby power.



Premium Performance Only From Ruud

AC POWER CONTROL MODULE™ All 12-20kW SEREGEN® Series (GEN 10–20) include this exclusive new upgrade. Run up to two 4-ton central air conditioners in addition to essential items, while protecting against AC overload.

Performance Upgrades Available

COLD WEATHER PACKAGE An oil heater and battery warmer are both thermostatically controlled to heat up when the temperature drops, ensuring smooth starting and engine operation. Model #6030 for GEN 10–20

MAINTENANCE KIT Includes special UL air filter, pre-cleaner, spark plugs, oil filter, and synthetic oil. See Product Chart for the corresponding Maintenance Kit number for each Model Series.